## **Maximum Score from Performing Multiplication Operations (View)**

You are given two integer arrays nums and multipliers of size n and m respectively, where n >= m. The arrays are **1-indexed**.

You begin with a score of 0. You want to perform **exactly** m operations. On the im operation (1-indexed), you will:

- Choose one integer x from either the start or the end of the array nums.
- Add multipliers[i] \* x to your score.
- Remove x from the array nums.

Return the **maximum** score after performing m operations.

## **Example 1:**

```
Input: nums = [1,2,3], multipliers = [3,2,1]
Output: 14
Explanation: An optimal solution is as follows:
- Choose from the end, [1,2,3], adding 3 * 3 = 9 to the score.
- Choose from the end, [1,2], adding 2 * 2 = 4 to the score.
- Choose from the end, [1], adding 1 * 1 = 1 to the score.
The total score is 9 + 4 + 1 = 14.
```

## Example 2:

```
Input: nums = [-5,-3,-3,-2,7,1], multipliers = [-10,-5,3,4,6]
Output: 102
Explanation: An optimal solution is as follows:
- Choose from the start, [-5,-3,-3,-2,7,1], adding -5 * -10 = 50 to the score.
- Choose from the start, [-3,-3,-2,7,1], adding -3 * -5 = 15 to the score.
- Choose from the start, [-3,-2,7,1], adding -3 * 3 = -9 to the score.
- Choose from the end, [-2,7,1], adding 1 * 4 = 4 to the score.
- Choose from the end, [-2,7], adding 7 * 6 = 42 to the score.
The total score is 50 + 15 - 9 + 4 + 42 = 102.
```

## **Constraints:**

```
    n == nums.length
    m == multipliers.length
    1 <= m <= 10<sup>3</sup>
    m <= n <= 10<sup>5</sup>
    -1000 <= nums[i], multipliers[i] <= 1000</li>
```